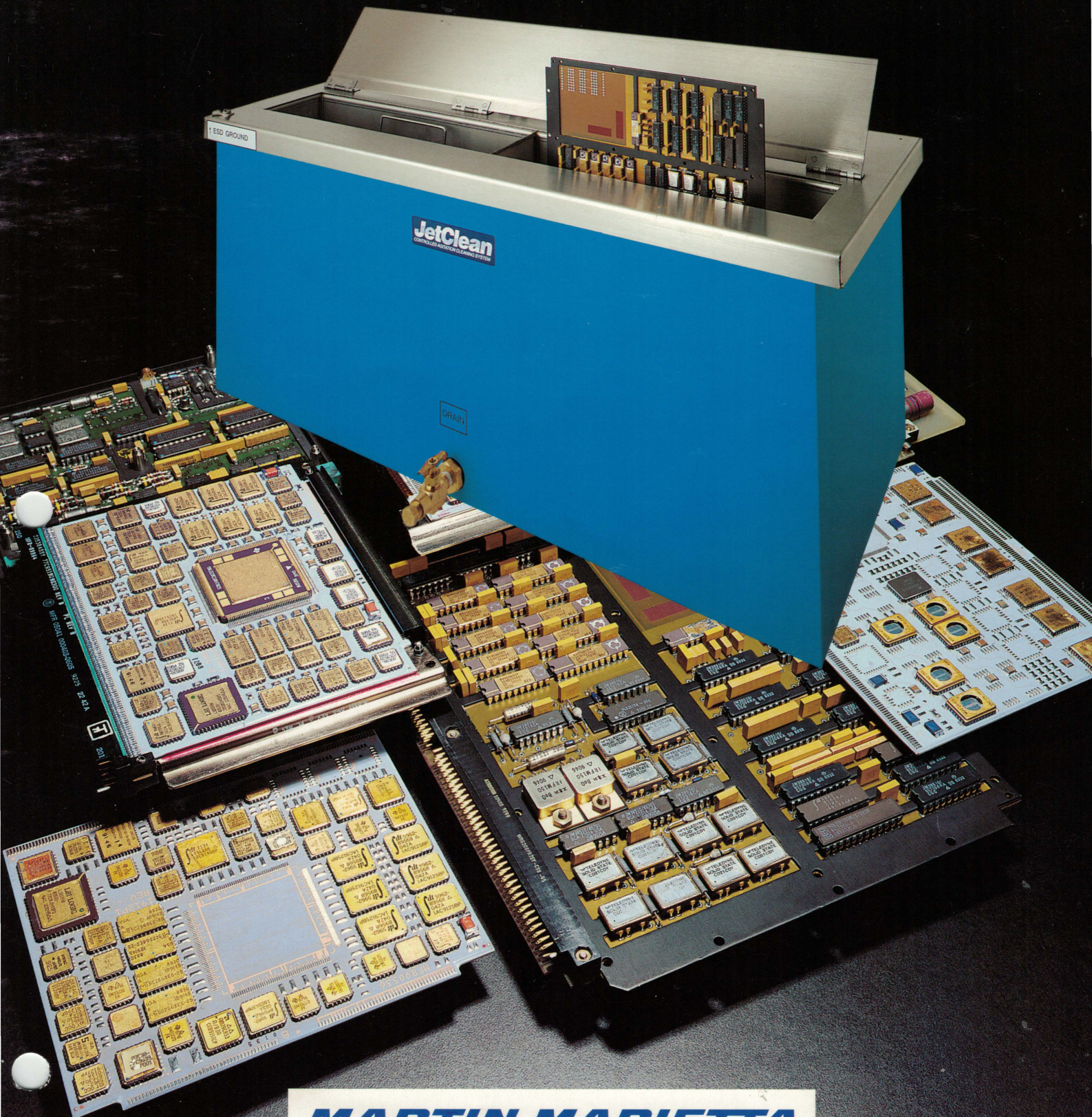


JetClean

CONTROLLED AGITATION CLEANING SYSTEM



MARTIN MARIETTA

COMPACT

The *JETCLEAN* unit washes and dries small batches of components or circuit card assemblies up to 12" x 9" x 3", in a foot print of less than 3 square feet. The unit weighs 40 pounds empty, and is very portable.

CONVENIENT

The *JETCLEAN* unit is self contained and requires only compressed air or nitrogen for power. They need very little setup and monitoring, and are easily stationed in any work area. Special venting is usually not required, but ducting can be connected to a mounting flange on the back of the unit. Separate washing and drying chambers speed processing.

When semi-aqueous solvents are used, the MC1002 provides two agitated solvent chambers for cleaning and rinsing. The MC1002 can be used in conjunction with the MC1000 to reduce processing time.

ENVIRONMENTALLY FRIENDLY

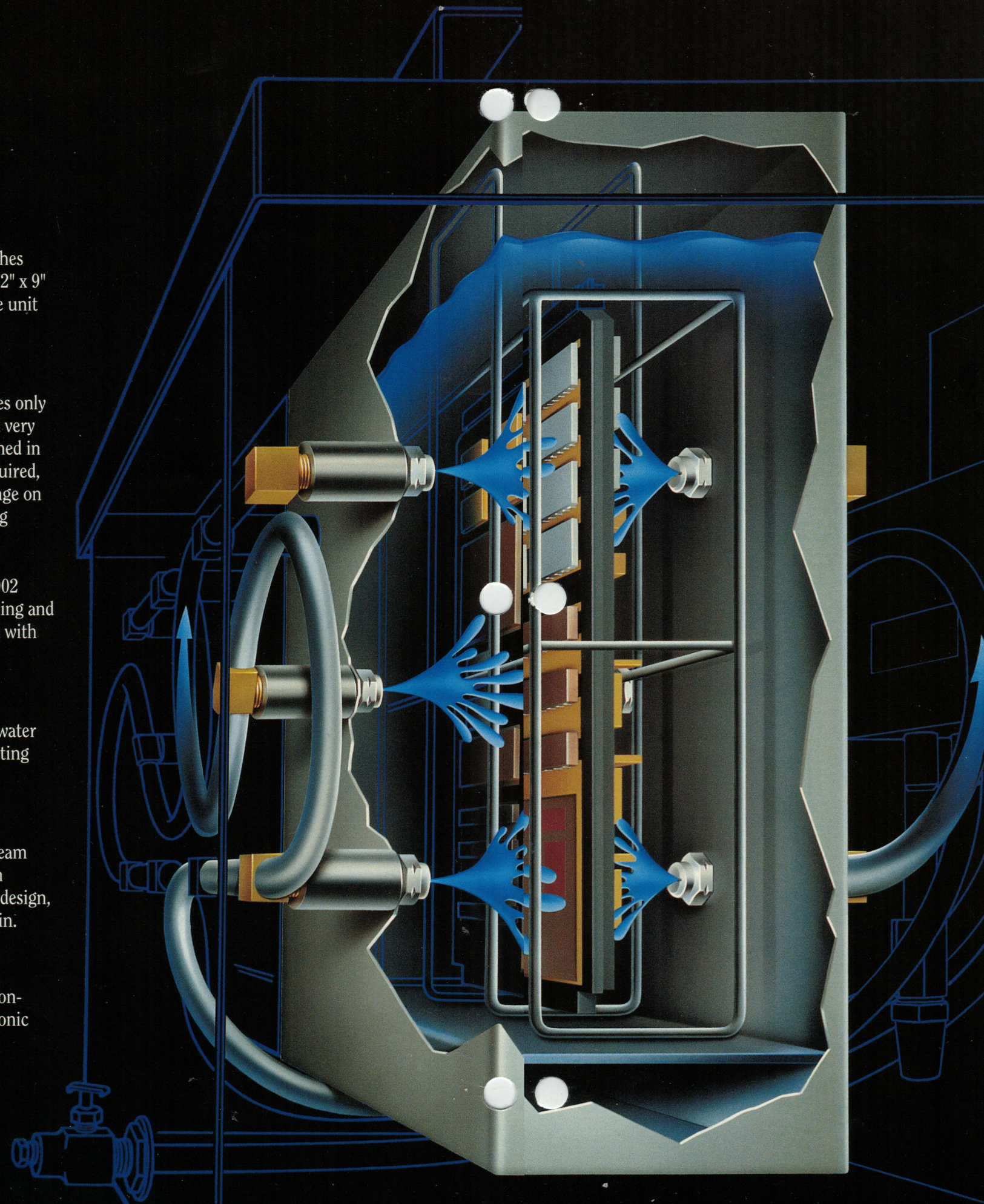
JETCLEAN uses alcohols, aqueous solutions, or water as replacements for CFC's and other ozone depleting chemicals.

SIMPLE

JETCLEAN was developed by a Martin Marietta team responsible for annual production of 12,000 high reliability circuit card assemblies. It is simple in design, straightforward in operation, and easy to maintain.

PRACTICAL

The *JETCLEAN* process is gentle and efficient. Controlled agitation will not damage sensitive electronic components.



MILITARY SPECIFICATIONS

JETCLEAN uses solvents which have long been approved by the Military, and involves no ultrasonic energies which could damage sensitive components.

SAFE

JETCLEAN uses no electric power, and operates with a volume of solvent which is well under special regulatory requirements for fire and explosion precautions. The lid is self-closing, and the unit cannot be operated with the lid open. A double containment chassis prevents spills. Units are grounded for safety when handling flammable solvents, and for ESD protection.

INEXPENSIVE

Simple, sturdy construction and high-quality components ensure low purchase and maintenance costs. Operating costs are low as well, since the unit operates with air power and inexpensive solvents.

PATENT PENDING

The safe, simple and effective design of the *JETCLEAN* system will be protected under the law with the U.S. Patent Office.

JetClean
CONTROLLED AGITATION CLEANING SYSTEM

JETCLEAN MC1000 SERIES CONTROLLED AGITATION CLEANING SYSTEMS FOR ELECTRONIC BOARD ASSEMBLIES AND COMPONENT BATCHES

<i>Features</i>	<i>Benefits</i>
Compact	Small size, low weight and simple installation make units portable and easy to locate within assembly areas.
Easy Use & Care	Engineered for simple, efficient operation with a minimum of set-up, monitoring, and maintenance.
Military Approved	Gentle agitation of solvents is ideal for production of high-end military electronics. No ultrasonics or harsh agitation that might damage sensitive components.
Versatility	MC1000 cleans and dries both small component batches and finished assemblies to 12" x 9" x 3" . MC1002 uses the two chambers to agitate solvents for cleaning <i>and</i> rinsing.
Costs	The low purchase cost is augmented by the very low operation, maintenance and solvent costs.
Safety	Uses air power in place of electrical power. Minimizes the quantity of solvent. Does not aerate or vaporize into more volatile forms. Operates as a double-walled, sealed container. Is ESD grounded for static protection of components and for filling and draining flammable solvents.
Ozone-Safe	Uses alcohol, solvents, aqueous solutions, or water to replace CFC's and other ODC's.
Optional Equipment Available	Cleaning Baskets, Air Hoses, Air Line Filters, and Conditioners.
Related Equipment	Model MC2000 Series dual chamber cleaners for large scale assemblies to 18" x 18" x 3" . Model PC100 single chamber parts cleaner.

Model MC1000 Specifications

<i>Product</i>	<i>Safety Features</i>	<i>Weight</i>
Each <i>JETCLEAN</i> Controlled Agitation Cleaning System includes:	<ul style="list-style-type: none"> • Grounded chassis with double-walled containment • Only operates with cover closed • No special shielding or venting required • No CFC or ODC solvents used • No ultrasonics • No aeration or vaporizing of solvents • No electrical power 	<ul style="list-style-type: none"> • Empty: 40 lbs. • Operational: 50 lbs. maximum with 5 qts. of solvent • Shipping: 55 lbs with shipping case
<i>Dimensions</i>		<i>Power</i>
<ul style="list-style-type: none"> • Wash and dry cleaning unit • Installation Guide • Parts List • Use & Care Manual 		<ul style="list-style-type: none"> • Electrical: None • Compressed air: 100 psi max built-in regulator
<ul style="list-style-type: none"> • Exterior: 30" x 14" x 14" • Washing chamber: 12" x 9" x 3" • Drying chamber: 12" x 9" x 3" 		<i>Regulatory Standards</i>
		<ul style="list-style-type: none"> • Meets OSHA requirements • Performs to Military Specifications • Patent Pending

Ordering Information

\$ 2500

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